# BTEC Assignment Brief

| | |
|---|---|
| **Qualification** | Pearson BTEC International Level 3 Diploma in Construction and the Built Environment<br>Pearson BTEC International Level 3 Extended Diploma in Construction and the Built Environment |
| **Unit number and title** | **Unit 24: Conversion, Adaptation and Maintenance of Buildings** |
| **Learning aim(s)** (For NQF only) | **A:** Examine the need for conversion and adaptation of a property |
| **Assignment title** | Conversion and Adaptation of existing buildings |
| **Assessor** | |
| **Issue date** | |
| **Hand in deadline** | |

| | |
|---|---|
| **Vocational Scenario or Context** | You have been employed as a trainee building design engineer in a local office of a large property investment company. The team you are working with looks for opportunities to convert and adapt old buildings to more modern and efficient buildings that meet the needs of today's and future generations. The type of projects the company works on are housing, offices, retail and hotels. There is a demand for more affordable housing and the company is looking for investment and development opportunities. |

| | |
|---|---|
| **Task 1** | To help with your progression within the company and as part of your training to enhance your knowledge your mentor has asked you to research the reasons why properties need to be converted and adapted. Once you have completed that research, your mentor wants you to investigate the range of intervention options that are available for converting and adapting properties. Finally, for the property detailed below appraise the needs and intervention options for the conversion and adaptation of the property.<br><br>**Property Details**<br><br>The Charlotte Bakery based in a city centre was established in 1880. The Charlotte Bakery became a leading UK brand and during the years developed and evolved to meet the needs of its customers. In 2005 the bakery closed in the city centre and moved to a new modern factory on the outskirts of the city in an industrial zone. The old factory is a listed building, is opposite a large city centre park, is on a main bus route, is close the river running through the city and is a short walk from the university and city centre. The building has become obsolete. The site is fully bounded by the main arterial road and residential areas to the sides and rear. The site is 65 m by 35m. The existing building is 3 storeys high but there is planning permission to go up to 5 storeys. |

| | |
|---|---|
| | You will produce a report for your mentor as part of your on-going assessment in work to prove your competence.<br>You have been asked to consider the reasons why properties need to be converted and adapted, the range of intervention options which are available for converting and adapting properties and appraise the needs and intervention options for the conversion and adaptation for the property described.<br><br>**To do this:**<br>• Research why properties may need to be converted and adapted.<br>• Investigate the intervention options for the conversion and adaptation of properties.<br>• Research the needs of modern apartment living in the city centre and options available to convert the property described.<br><br>**You then need to:**<br>Produce an illustrated technical report, which considers the reasons why properties need to be converted and adapted, the range of intervention options that are available for converting and adapting properties and appraise the needs and intervention options for the conversion and adaptation for the property described.<br><br>- Consideration of all the different reasons why properties need to converted and adapted, the range of intervention options available for converting and adapting properties. For the specified property, appraise the needs of the new building and the options available to convert the property. |
| **Checklist of evidence required** | Evidence must include:<br>An illustrated technical report based on the different reasons why properties need to converted and adapted.<br>The range of intervention options available for converting and adapting properties.<br>For the specified property, appraise the needs of the new building and the options available to convert the property.<br><br>Your report should include evidence of individual research conducted by the learner for example, case studies, images, sketches and drawings. These will be fully annotated and referenced appropriately to support the narrative of the evidence. |

| **Criteria covered by this task:** | |
|---|---|
| Unit/Criteria reference | To achieve the criteria you must show that you are able to: |
| 24/A.D1 | Evaluate the needs and intervention options for the conversion and adaptation of a given property |
| 24/A.M1 | Discuss the reasons for intervention options for the conversion and adaptation of a given property. |
| 24/A.P2 | Explain the intervention options for the conversion and adaptation of properties. |

| 24/A.P1 | Explain why properties may need to be converted and adapted. |
|---|---|
| **Sources of information to support you with this Assignment** | **Textbooks**<br><br>Douglas J., "Building Adaptation" 2nd Edition 2006 Published by Butterworth-Heinemann ISBN 978-0-7506-6667-1<br><br>Chudley R. & Greeno R., "Building Construction Handbook"11th Edition 2016 Published by Routledge ISBN 978-1-318-90709-6<br>Douglas J. & Ransom B. "Understanding Building Failures" 4th Edition Published by Routledge ISBN 978-0-415-50878-0<br><br>**Websites**<br><br>http://www.orbee.org/images/5cc-resource-files/1314451638_Learning%20Pack%201%20-%20Building%20Adapt%20%26%20Conserv%20Principles.pdf<br><br>The Construction Industry knowledge base: https://www.designingbuildings.co.uk<br><br>**Above are examples of websites. Further useful resources may be found at** qualifications.pearson.com/en/support/published-resources.html |
| **Other assessment materials attached to this Assignment Brief** | *N/A* |